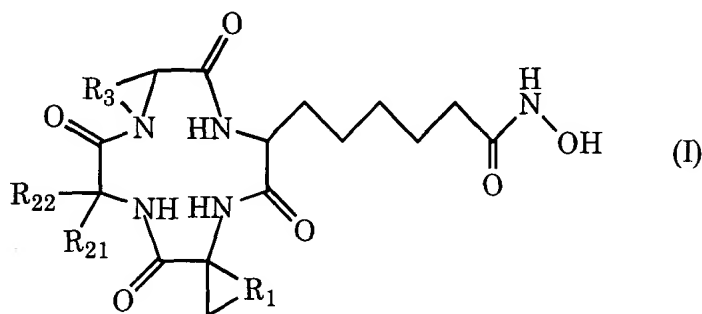


ABSTRACT

NOVEL CYCLIC TETRAPEPTIDE DERIVATIVES AND PHARMACEUTICAL USES THEREOF

The present invention provides a cyclic tetrapeptide derivative represented by the following general formula (I) or a pharmaceutically acceptable salt thereof:



wherein

each of R_{21} and R_{22} independently denotes hydrogen, a linear C_1 - C_6 -alkyl group to which a non-aromatic cycloalkyl group or an optionally substituted aromatic ring may be attached, or a branched C_3 - C_6 -alkyl group to which a non-aromatic cycloalkyl group or an optionally substituted aromatic ring may be attached; and

each of R_1 and R_3 independently denotes a linear C_1 - C_5 -alkylene group which may have a C_1 - C_6 side chain, in which the side chain may form a condensed ring structure on the alkylene chain.

The present invention also provides a histone deacetylase inhibitor, an MHC class-I molecule expression-promoting agent and a pharmaceutical composition, each of which comprises the above cyclic tetrapeptide derivative or pharmaceutically acceptable salt thereof as an active ingredient.